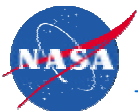


# Possible SET Program Experiments



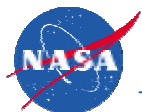
- **Experiments take the form of materials, components, cards, sensors, or subsystems**
- **Technologies must show clear traceability to proposed criteria**
- **Potential experiment categories may include:**
  - **Microelectronics**
    - **Commercial (un-hardened)**
    - **Radiation Tolerant**
    - **Radiation Hardened**
  - **Photonics**
  - **Detector technologies**
  - **Materials**
    - **Degradation**
    - **Shielding properties**
  - **Mechanisms**
  - **Microelectromechanical systems (MEMS)**
  - **Subsystems**
  - **Space and induced environment tolerance methods**
  - **Spacecraft charging/discharging**



# SET Program Workshop Participation



- **Potential technology providers attending the workshop are requested to:**
  - **describe how their technology solutions can meet future requirements,**
  - **assess the readiness for flight of their technology in the 2003-2005 timeframe, the time of the first flight opportunity,**
  - **estimate the cost for providing the technology for the flight,**
  - **describe the criteria for successful flight test/validation,**
  - **describe the rationale for space flight,**
  - **identify approaches for partnering/cost sharing in support of the technology test/validation.**



*G O D D A R D   S P A C E   F L I G H T   C E N T E R*

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